

Table 2
Summary of Import Fill Source Material Chemical Analytical Data¹
Avery Landing Site
Avery, Idaho

Sample ID ² :	Import Material Screening Criteria ³	Kelly-05062013 (SWE0069-01)	Trip Blank-05062013 (SWE0069-02)
Sample Location:		Kelly Pit	N/A
Sample Date:		5/6/13	5/6/13
Field Screening			
Sheen	NE	NS	NS
Headspace Vapors (ppm)	NE	--	--
Petroleum Hydrocarbons (TPH; mg/kg) by NWTPH-Dx			
Diesel-range	NE	10.8 U	--
Heavy oil-range	NE	27.1 U	--
Volatile Organic Compounds (VOCs; µg/kg) by EPA Method 8260B			
1,1,1,2-Tetrachloroethane	NE	0.90 U	1 U
1,1,1-Trichloroethane	2,000	0.90 U	1 U
1,1,2,2-Tetrachloroethane	1	1.80 U	2 U
1,1,2-Trichloroethane	14	0.90 U	1 U
1,1-Dichloroethane	3,479	0.90 U	1 U
1,1-Dichloroethene	39	4.50 U	5 U
1,1-Dichloropropene	NE	0.90 U	1 U
1,2,3-Trichlorobenzene	190	1.80 U	2 U
1,2,3-Trichloropropane	NE	0.90 U	1 U
1,2,4-Trichlorobenzene	NE	1.80 U	2 U
1,2,4-Trimethylbenzene	NE	1.80 U	2 U
1,2-Dibromo-3-Chloropropane	NE	1.80 U	2 U
1,2-Dichlorobenzene	5,300	0.90 U	1 U
1,2-Dichloroethane	NE	0.90 U	1 U
1,2-Dichloropropane	365	0.90 U	1 U
1,3,5-Trimethylbenzene	150	4.50 U	5 U
1,3-Dichlorobenzene	NE	0.90 U	1 U
1,3-Dichloropropane	NE	0.90 U	1 U
1,4-Dichlorobenzene	76	0.90 U	1 U
2,2-Dichloropropane	NE	0.90 U	1 U
2-Butanone	11,800	23	5 U
2-Hexanone	NE	4.5 U	34
2-Chlorotoluene	NE	1.80 U	2 U
4-Chlorotoluene	NE	1.80 U	2 U
4-Isopropyltoluene	NE	1.80 U	2 U
Acetone	17,405	160 U	16
Benzene	18	0.90 U	1 U
Bromobenzene	NE	1.80 U	2 U
Bromoform	3	0.90 U	1 U
Bromomethane	29	0.90 U	1 U
Carbon disulfide	5,971	0.90 U	1 U
Carbon tetrachloride	11	0.90 U	1 U
Chlorobenzene	620	0.90 U	1 U
Chlorobromomethane	NE	0.90 U	1 U
Chlorodibromomethane	NE	0.90 U	1 U
Chloroethane	53	0.90 U	1 U
Chloroform	6	0.90 U	1 U
Chloromethane	23	0.90 U	1 U
cis-1,2-Dichloroethene	193	0.90 U	1 U
cis-1,3-Dichloropropene	2	0.90 U	1 U
Dibromomethane	NE	0.90 U	1 U
Dichlorobromomethane	NE	0.90 U	1 U
Dichlorodifluoromethane	2,957	0.90 U	1 U
Ethylbenzene	10,200	0.90 U	1 U
Ethylene Dibromide	NE	0.90 U	1 U
Isopropylbenzene	3,500	1.80 U	2 U
Methylene Chloride	17	14 U	15 U
Methyl tert-butyl ether	NE	0.90 U	1 U

Sample ID ² :	Import Material Screening Criteria ³	Kelly-05062013 (SWE0069-01)	Trip Blank-05062013 (SWE0069-02)
		Kelly Pit	N/A
		5/6/13	5/6/13
m-Xylene & p-Xylene	1,666 ⁴	1.80 U	2 U
n-Butylbenzene	1,200	1.80 U	2 U
N-Propylbenzene	NE	0.90 U	1 U
o-Xylene	1,666 ⁴	0.90 U	1 U
sec-Butylbenzene	1,200	1.80 U	2 U
Styrene	1,800	1.80 U	2 U
tert-Butylbenzene	850	1.80 U	2 U
Tetrachloroethene	29	0.90 U	1 U
Toluene	4,885	1.80 U	2 U
trans-1,2-Dichloroethene	365	0.90 U	1 U
trans-1,3-Dichloropropene	2	0.90 U	1 U
Trichloroethene	3	0.90 U	1 U
Trichlorofluoromethane	10,376	0.90 U	1 U
Vinyl chloride	10	0.90 U	1 U
Semi-Volatile Organic Compounds (SVOCs; µg/kg) by EPA Method 8270C			
1,2,4-Trichlorobenzene	692	53 U	-
1,2-Dichlorobenzene	5,253	53 U	-
1,3-Dichlorobenzene	229	53 U	-
1,4-Dichlorobenzene	76	53 U	-
2,4,5-Trichlorophenol	NE	110 U	-
2,4,6-Trichlorophenol	NE	160 U	-
2,4-Dichlorophenol	98	110 U	-
2,4-Dimethylphenol	NE	110 U	-
2,4-Dinitrophenol	NE	1,100 U	-
2,4-Dinitrotoluene	NE	110 U	-
2,6-Dinitrotoluene	NE	110 U	-
2-Chloronaphthalene	NE	21 U	-
2-Chlorophenol	365	110 U	-
2-Methylphenol	NE	110 U	-
2-Nitroaniline	NE	110 U	-
2-Nitrophenol	NE	110 U	-
3 & 4 Methylphenol	NE	210 U	-
3,3'-Dichlorobenzidine	NE	210 UJ	-
3-Nitroaniline	NE	110 UJ	-
4,6-Dinitro-2-methylphenol	NE	1,100 U	-
4-Bromophenyl phenyl ether	NE	110 U	-
4-Chloro-3-methylphenol	NE	110 U	-
4-Chloroaniline	126	110 UJ	-
4-Chlorophenyl phenyl ether	NE	110 U	-
4-Nitroaniline	3.0	110 U	-
4-Nitrophenol	NE	1,100 U	-
Benzoic acid	77,150	2,600 U	-
Benzyl alcohol	NE	110 U	-
bis (2-chloroisopropyl) ether	NE	260 U	-
Bis(2-chloroethoxy)methane	NE	110 U	-
Bis(2-chloroethyl)ether	0	110 U	-
Bis(2-ethylhexyl) phthalate	11,836	630 U	-
Butyl benzyl phthalate	240,477	210 U	-
Carbazole	NE	110 U	-
Dibenzofuran	6,099	110 U	-
Diethyl phthalate	27,531	210 U	-
Dimethyl phthalate	270,813	110 U	-
Di-n-butyl phthalate	30,989	530 U	-
Di-n-octyl phthalate	1,828,814	530 U	-
Hexachlorobenzene	43	53 U	-
Hexachlorobutadiene	38	53 U	-
Hexachlorocyclopentadiene	12	110 U	-
Hexachloroethane	138	110 U	-
Isophorone	NE	110 U	-
Nitrobenzene	NE	110 U	-
N-Nitrosodi-n-propylamine	NE	110 U	-
N-Nitrosodiphenylamine	0.002	53 UJ	-

Sample ID ² :	Import Material Screening Criteria ³	Kelly-05062013 (SWE0069-01)	Trip Blank-05062013 (SWE0069-02)
Sample Location:		Kelly Pit	N/A
Sample Date:		5/6/13	5/6/13
Pentachlorophenol	9.1	210 U	--
Carcinogenic Polynuclear Aromatic Hydrocarbons (cPAHs; mg/kg) by EPA Method 8270SIM			
Benzo(a)anthracene	0.42	0.0115 U	--
Benzo(a)pyrene	0.042	0.0115 U	--
Benzo(b)fluoranthene	0.42	0.0115 U	--
Benzo(k)fluoranthene	4.2	0.0115 U	--
Chrysene	33	0.0115 U	--
Dibenzo(a,h)anthracene	0.042	0.00693 U	--
Indeno(1,2,3-cd)pyrene	0.42	0.0115 U	--
Non-Carcinogenic Polynuclear Aromatic Hydrocarbons (PAHs; mg/kg) by EPA Method 8270SIM			
1-Methylnaphthalene	22	0.0115 U	--
2-Methylnaphthalene	3.3	0.0115 U	--
Acenaphthene	52	0.0115 U	--
Acenaphthylene	78	0.0115 U	--
Anthracene	1,040	0.0115 U	--
Benzo(g,h,i)perylene	1,178	0.0115 U	--
Fluoranthene	364	0.0115 U	--
Fluorene	55	0.0115 U	--
Naphthalene	1.1	0.0115 U	--
Phenanthrene	79	0.0115 U	--
Pyrene	359	0.0115 U	--
Polychlorinated Biphenyls (PCBs; µg/kg) by EPA Method 9092			
Aroclor-1016	150	57.5 U	--
Aroclor-1221	150	57.5 U	--
Aroclor-1232	150	57.5 U	--
Aroclor-1242	150	57.5 U	--
Aroclor-1248	150	57.5 U	--
Aroclor-1254	150	57.5 U	--
Aroclor-1260	150	57.5 U	--
Aroclor-1268	150	57.5 U	--
Total PCBs (sum of Aroclors)	150	57.5 U	--

Notes:¹ Soil samples to evaluate potential sources for import fill material to be used as backfill.² Import source material location is shown on Figure 2.³ Screening values referenced from December 2010 Draft Final Engineering Evaluation/Cost Analysis (E&E, 2010).⁴ Value for total xylenes

mg/kg = milligram per kilogram

µg/kg = microgram per kilogram

EPA = Environmental Protection Agency

NS = no sheen

-- = not tested

NE = not established

N/A = not applicable

Bold indicates positive detection.

■ Non-detect analyte concentration is greater than the import material screening level.

Chemical analyses performed by Test America of Spokane, Washington.